Appl. No.: 09/685,654

Amdt. Dated: January 31, 2005

Reply to Office Action of: November 30, 2004

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 16. (canceled)

17. (Currently amended) A reductant injection system for reducing exhaust gas NO_x in lean-burn engines, comprising:

a catalytic reactor having an inlet end which receives exhaust gas containing NO_x , an outlet end which outputs converted exhaust gas, and a port;

a catalyst mounted inside the catalytic reactor for reducing NO_x in the received exhaust gases to N_2 in the presence of a fuel, wherein the catalyst comprises a perovskite compound represented by the formula $AB_{1-x}PM_xO_3$, where A is a rare-earth metal, B is a transition metal, PM is a precious metal, and O is oxygen, and is positioned downstream of the port in catalytic reactor; and

a fuel injector coupled to the port in the catalytic reactor and being positioned upstream of the catalyst, wherein the fuel injector injects <u>diesel</u> fuel in the exhaust gas prior to the exhaust gas passing through the catalyst, wherein the fuel is used as a reductant.

- 18. (Previously amended) The system of claim 17, further comprising a partial oxidation catalyst mounted downstream of the catalyst.
- 19. (canceled)
- 20. (canceled)
- 21. (Currently amended) The system of claim 20_17, wherein A comprises lanthanum, B comprises manganese, PM comprises ruthenium, and x ranges from about 0.01 to 0.3.
- 22.-62. (cancelled)